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PLASTEC NOTE 3

402225

**DEFENSE SPECIFICATIONS AND STANDARDS  
for and relating to  
REINFORCED PLASTICS**



**MARCH  
1963**

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**PLASTEC**

**PLASTICS TECHNICAL EVALUATION CENTER**

**PICATINNY ARSENAL  
DOVER, NEW JERSEY**

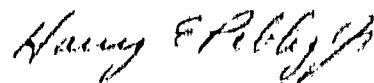
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**DEFENSE SPECIFICATIONS AND STANDARDS  
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REINFORCED PLASTICS**

**By  
NORMAN E. BEACH**

**MARCH  
1963**

**PLASTICS TECHNICAL EVALUATION CENTER  
PICATINNY ARSENAL, DOVER, NEW JERSEY**

## ABSTRACT

This report presents the results of a search for Government specifications and standards which are for or related to reinforced plastics. The findings are listed in six tables, covering general specifications, materials, laminates, filled resins, sandwich construction, and applications. These have been given a simple organization, so that the reader may easily locate those specifications pertaining to his particular interest. The citations are current and complete. In addition to the number-date-title information, the reader can note whether there is a qualified products list issued for the specification, whether the specification is limited to one service or is broadly applicable, who prepared it, and who are its custodians. The tables are followed by an identification of the code used in citing the preparing activities and the custodians of the specifications, a numerical listing of the specifications cited, and a brief instruction on how to procure Government specifications. There are 149 specifications listed.

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## INTRODUCTORY COMMENTS

THE INTENT of this document is to present the widest possible range of specifications and standards which relate (sometimes remotely) to the reinforced plastics field. Thus, laminates are pursued all the way to safety glass and barrier materials; filled materials appear as a concept of resin strengthening; and quite general tests are included. The desire has been to provide a generous reference. The selection is not to be construed as definitive.

SOURCE used was the Department of Defense Index of Specifications and Standards, 30 July 1962. This was supplemented by examination of specifications with promising titles for determination of applicability. References within specifications also provided leads to the more remote, but pertinent, specifications. Not covered are purchase descriptions, tentative specifications, and other within-service specifying media.

THREE LIMITATIONS must be recognized, all of which relate to the source:

- Possibility of human error in the scanning of some 18,000 items.
- Possibility that the specification title did not reflect the tie-in with reinforced plastics.
- Possibility of change in the specification within the time between compilation of the DOD Index and its issuing, or between the writing of this document and its publication. This could be the revision, amendment, or deletion of existing specifications or the appearance of new specifications.

IN SCOPE, the aim has been to include specifications pertaining to all aspects of the reinforced plastics field: those on the basic or raw materials, those on the resin/reinforcement combinations, those on the applications of reinforced plastics, and those of a general nature covering requirements, test methods, tolerances, and so on. Under this broad approach, there are included all specifications which are considered to relate to any resin/reinforcement combination that can be fabricated by any of the open-mold (hand layup, sprayup, filament winding, etc.) or closed-mold (matched metal molding, premixes, etc.) processes.

TYPES OF SPECIFICATIONS covered can be identified from the listings. Six kinds are involved in this study:

Military Handbooks -----	MIL-HDBK-(number)
Military Standards: Book-type ----- Pamphlet-type -----	MIL-STD-(number) MS-(number)
Military Specifications -----	MIL-(LETTER)- (number)
Federal Standards -----	FED-STD-(number)
Federal Specifications -----	(LETTER, -S)- (LETTER)-(number)

Amendment to a specification is identified by a bracketed number following the basic specification number; for example, MIL-A-25463 (2), which indicates that a second amendment governs that specification. Revision is identified by the suffixing of a capital letter to the specification number; for example, MIL-P-16035C, which shows that the third revision of this specification is in effect.

**QUALIFIED PRODUCTS LISTS (QPL's)** are issued for some materials. These QPL's bear the same numbers as the specifications to which they relate. When such are available, it is noted by crossmark in the QPL column in the tables. The activity responsible for the qualified products list is the Chief of the Bureau of Ships, Department of the Navy, Washington 25, D. C., and information pertaining to qualification of products may be obtained from that activity.

**COORDINATED SPECIFICATIONS** cover items of common use. They are the result of cooperative effort of the three services. **LIMITED COORDINATION SPECIFICATIONS** are of interest to a single military department, or are prepared to satisfy an immediate procurement need. The latter are identified by crossmark in the limited coordination column (L. C.) in the tables.

**PREPARING ACTIVITY** and **CUSTODIAN** are identified, by letter code, in the appropriate columns in the tables. Expansion of the code is given at the end of the tables. The absence of a custodian notation for any listed document indicates that the department has no existing requirement for the product or service covered by the document. The document is therefore not applicable to the procurements of that department unless specifically invoked in contracts or orders.

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Table 1. General Specifications

WPL	Coverage	Number	Date	Title	QPL	In. G.	Prepared by	Comments
A	Comprehensive	MIL-M-14400	10 August 1981	Molding Plastics and Molded Plastic Products, Thermosetting	X	*	MH	MU/MH/AND
		MIL-H-100K-17	8 November 1980	Plastics for Flight Vehicles; Reinforced Plastics	*	*	AND	WP/AND
		MIL-H-100K-20	6 September 1980	Composite Construction for Flight Vehicles - Part I - Fabrication, Inspection, Durability, and Repair	*	*	AND	WP/AND
B	Requirements	MIL-W-87500A	21 July 1981	Dimensional Tolerances of Molded Plastic Items	*	*	OR	OR
		MIL-P-7004A	31 May 1981	Plastic Parts, Aircraft Interior, General Requirements and Tests for Hull-Breaker Protection of	*	*	AND	TO/AND
		MIL-A-8087C	10 March 1981	Adhesive Handling, Removal and Inspection Requirements for	*	*	WP	OR/WP/AND
		MIL-P-8400A(1)	18 June 1981	Plastic Laminates, Materials and Reinforcement Conditioning, Product Specification Requirements	*	*	WH	OR/WP/AND
C	Tests	MIL-NP-170	30 November 1980	Adhesives, Methods of Testing	*	*	OR	YD/AND
		MIL-NP-884 Change 1	30 November 1980	Temperature and Humidity Test for Use in Production of Polymers	*	*	WP	OR/AND
		MIL-NP-401A Change 1	30 September 1981	Woodwind Constructions and Core Materials, General Test Methods	*	*	WP	OR
		MIL-NP-400	5 October 1980	Pinholes, Methods of Testing	*	*	MH	OR/MH/AND
		MIL-NP-470	30 June 1980	Characterization Systems and Tests for Cellular Polymeric Materials	*	X	OR	OR
D	Other	MIL-P-8091A	7 July 1986	Plasticizer Content for Transparent Encapsulated Circuiting Materials, Determination of	*	X	AND	AND
		MIL-C-74800	4 February 1986	Coating Systems, Elastomers, Both Breaker-Resistant and Both Breaker-Resistant with Anti-Malting Treatment, for Housing Aircraft and Missile Plastic Parts	X	*	AND	OR/WP/AND
		MIL-H-10007C	7 September 1980	Impact Kit, Glass Reinforced Plastic Laminate	*	X	WH	MH

Table 3. Specifications on Basis of New Materials

Part	Material	Number	Date	Title	OMI	In Q.	Specified by	Description
A	Adhesive-	MIL-A-140A	10 November 1961	Adhesive, Water-Resistant, Waterproof Epoxy Material--	X	-	OM	OM/WP/AND
		MIL-A-888TA	10 September 1960	Adhesive, Synthetic Resin (For Phenolic Laminating)-----	X	-	OM	OM/AND
		MIL-A-800D	8 August 1960	Adhesive, Heat Resistant, Extreme Structural Metal-to-Metal	X	-	WP	WP/AND
		MIL-A-8000000	27 March 1960	Adhesive, Heat Resistant, Extreme Structural Metal-to-Metal	-	-	AND	AND
		MIL-A-8408A(8)	20 November 1960	Adhesive, Application of Room-Temperature and Intermediate-temperature-Baking Resin (Phenol), Novolac, and Melamine Baked.	-	-	WP	NO/AND
		MIL-A-8888A(0)	20 September 1960	Adhesive, Epoxy Resin, Metal-to-Metal Structure) Bonding--	X	-	WP	OM/WP
		MIL-A-1404X	17 July 1960	Adhesive Epoxy -----	X	X	OM	OM
		MIL-A-21088(1)	15 May 1960	Adhesive, Plastic (Polymer Material) to Aluminum Bonding.	-	X	NH	-
		MIL-A-80408(8)	18 October 1960	Adhesive, Metallic Structure) Bonding Construction -----	X*	X	WP	WP/AND
		MIL-A-4008I	17 April 1960	Adhesive, Room Temperature and Intermediate Temperature Baking Resin (Phenol, Novolac, and Melamine Resin).	-	X	OM	-
B	Core Materials	MIL-C-8818A(4)	14 September 1960	Adhesive, Epoxy (for Bonding Glass Reinforced Polyester)-----	X	-	OM	OM
		MIL-C-8158A(1)	28 June 1960	Cellular Polyisoprene Material, Fiberglass Particulate-----	-	-	OM	OM/W/AND
		MIL-C-7408C(8)	8 March 1960	Core Material, Aluminum, for Sandwich Construction-----	X	-	WP	ON/WP/AND
		MIL-C-7088	28 November 1960	Sandwich Construction Core Material, Males Wood-----	-	-	WP	ON/AND
		MIL-C-ND-8078A(1)	27 January 1961	Core Material, Plastic Honeycomb, Laminated Glass Polyester Resin, for Aircraft Structural Applications.	-	-	OM	-
		MIL-C-8078A	27 January 1961	Core Material, Plastic Honeycomb, Laminated Glass Polyester Resin, for Aircraft Structural Applications.	X	-	WP	OM/WP/AND
		MIL-C-8087H	8 March 1961	Core Material, Preformed-in-Place, Polyester/Epoxy Resin Type (ANC)-----	-	-	WP	WP/AND
C	Finisher	MIL-C-18846	21 December 1960	Core Material, Cellular Calcium-Anhydrite-----	X	X	WP	-
		MIL-C-21040(1)	28 February 1960	Homopolymer Material, Structural, Paper Base, Marine Construction.	-	X	NH	-
		MIL-C-2182DA	30 October 1960	Core Material, Metallic, Heat-Shielding, for (Microphone) Sandwich Construction.	X	-	WP	OM/WP/MON
D	Clothes	MIL-Y-8118A(1)	27 February 1961	Clothes, for Glass Fiber-----	X	-	WP	OM/WP/AND
		MIL-Y-1140C	16 February 1960	Yarn, Cord, Sewing, Cloth, and Tape---Glass-----	-	-	NH	NO/AND
E	Nylon	MIL-C-8044H	20 January 1960	Cloth, Glass, Pinholes, for Polyester Mesh Laminating-----	-	-	WP	WP/AND
		MIL-Y-12088	24 October 1960	Fabric, Glass, Woven-----	-	X	OM	ON
		MIL-M-16017A(1)	28 February 1960	Fabric, Fiberglass Cloth, for Reinforcing Plastic-----	-	-	NH	ON/MON
		MIL-C-18883A	17 January 1960	Cloth, Glass, Woven Moving, for Plastic Laminating-----	-	X	NH	-
		MIL-Y-8086G(1)	30 September 1960	Fiber and Webbing, Textile, Reinforcing, Nylon-----	-	-	AND	OM/WP/AND
F	Resin	MIL-H-8745	30 April 1960	Resin, Phenol-Polyvinylchloride, Laminating-----	-	-	OM	OM/MID
		MIL-H-7876H(1)	8 February 1961	Resin, Polyester, Low-Pressure Laminating-----	X	-	WP	NO/WP/AND
		MIL-H-8888A(1)	18 April 1961	Resin, Phenolic, Low-Pressure Laminating (ANC)-----	X	-	WP	WP/AND
		MIL-H-8800A	8 February 1961	Resin, Epoxy, Low-Pressure Laminating-----	X	-	WP	OM/WP/AND
		MIL-H-81607(1)	28 June 1961	Resin, Polyester, Low-Pressure Laminating, Pipe Resin-----	-	X	NH	-
		MIL-H-8188(8)	8 July 1960	Resin, Epoxy-----	-	X	WP	WP
		MIL-H-8004TA	18 July 1960	Nylon, Polyester, High-Temperature Resistant, Low-Pressure Laminating	-	-	WP	OM/AND
		MIL-H-8888A	28 March 1961	Nylon, Silicone, Low-Pressure Laminating (ANC)-----	X*	-	WP	WP/APRO
G	Plastic	MIL-P-4008	18 August 1961	Plastic, Polyester, Low-Pressure Laminating, High-Temperature Resistant,	-	X	OM	ON

\*QPS, not yet issued.

Table 6: Specifications of Laminate

Part	Reinforcement	Number	Date	Description	QPL	Ind.	Type performed	Duration
A	Aramid fiber	MIL-P-8088A(1)	8 June 1980	Plastic Material, Laminated, Thermosetting, Fibers and Tapes, Aramid Fiber, Phenolic Resin.	*	*	*	AND
		MIL-P-88770	27 November 1981	Plastic Material, Aramid Fiber, Phenolic Resin, Low or High Pressure Lamination (ARL).	*	*	WP	WP/AND
B	Cotton fabric	MIL-P-8088A(8)	10 June 1980	Plastic Material, Laminated, Thermosetting, Fibers, Cotton-Fabric-Resin, Port Yachting.	*	*	WP	ON/AND
		MIL-P-8088C(1)	10 January 1981	Plastic Sheet, Laminated, Thermosetting, Cotton-Fabric-Resin, Phenolic Resin.	*	*	NH	NO/NH/AND
C	Glass fabric (Fabric)	MIL-P-10084B	1 January 1980	Plastic Material, Laminated Phenolic, for Boating (Water or Ground Application).	X	X	NH	*
		MIL-P-8007A	17 March 1980	Plastic Sheets, Phenolic Resin, Laminated, Thermosetting, Cotton-Fabric-Resin (for Marine Application).	*	X	ON	ON
D	Glass fabric (Fabric)	MIL-P-0070	30 June 1981	Plastic Material, Laminated, Thermosetting, Electrical Insulation, Sheets, Glass Cloth, Polyester Resin.	X	*	NH	NO/NH/AND
		MIL-P-0018C(1)	5 October 1980	Plastic Materials, Polyester Resin, Glass Fiber Resin, Low Pressure Lamination.	*	*	AND	ON/NO/AND
		MIL-P-16087D	10 March 1981	Plastic Sheet, Laminated, Thermosetting, Glass Cloth, Melamine Resin.	X	*	NH	NO/NH/AND
		MIL-P-17640C(1)	28 June 1981	Plastic Laminate, Fibrous Glass Reinforced, Methyl Resorcinol.	*	X	NH	*
		MIL-P-19981C(0)	30 March 1981	Plastic Sheet, Laminated, Thermosetting, Glass Mat, Melamine Resin.	X	*	NH	NO/NH
		MIL-P-18172C	18 December 1981	Plastic Sheet, Laminated, Thermosetting, Glass Fiber, Epoxy Resin.	X	*	NH	NO/MOM
		MIL-P-10101A(1)	7 February 1981	Plastic Sheet, Laminated, Glass Cloth, Polytetrafluoroethylene Resin.	X	*	NH	ON/NH/AND
		MIL-C-8170A	16 September 1980	Glass Fiber Sheet Laminate, Epoxy Resin *****	*	X	WP	WP
		MIL-P-8880B	30 October 1980	Plastic Laminate, Glass Fabric Resin, High Strength ***	*	X	WP	WP
		MIL-P-8004B	4 October 1980	Plastic Material, Heat Resistant, Low Pressure Lamination, Glass Fiber Resin, Polyester Resin.	*	X	AND	AND
E	Glass fabric (Ribbon)	MIL-P-8848A(0)	30 June 1981	Plastic Material, Glass Fiber Resin, Epoxy Resin, Low Pressure Lamination.	*	*	WP	TO/WP/AND
		MIL-P-8007A(1)	9 May 1981	Plastic Material, Phenolic Resin, Glass Fiber Resin, Low Pressure Lamination (ARL).	*	*	AND	WP/AND
		MIL-P-8861A	7 March 1981	Plastic Material, Phenolic Resin, Glass Fiber Resin, Low Pressure Lamination (ARL).	*	*	WP	WP/AND
		MIL-P-8004A	10 April 1981	Plastic Sheet, Phenolic, Glass Fabric Reinforced, Heat Resistant.	*	X	ON	*
		MIL-C-8887C	18 February 1982	Glass, Laminated, PBI (Except Aircraft) *****	*	*	ON	ON/MOM
		MIL-C-8480B	8 December 1982	Glass, Laminated, PBI, Butyl-Resin *****	X	*	WP	ON
		MIL-C-7707A	10 May 1987	Glass, Curved Laminated, Phenolic, Extended Plastic Edge, and Extended Plastic Edge with Metal Reinforcement.	*	*	WP	ON
		MIL-C-8008A(0)	31 May 1987	Glass, Laminated, PBI, Aircraft*****	*	*	ON	ON/MOM
		MIL-C-8007A(1)	24 November 1988	Glass, Laminated, Aircraft Cladding *****	*	X	AND	WP/AND
		MIL-P-100471C(0)	20 March 1988	Plastic Material, Laminated Thermosetting Sheets, Nylon Fabric-Resin, Phenolic Resin.	*	*	NH	NO/NH/AND
F	Paper base	MIL-C-4000A	20 March 1982	Cloth, Laminated, Vinyl-Nylon, High Strength Flexible **	*	X	ON	ON
		MIL-P-8110C	28 June 1981	Plastic Sheet, Laminated, Thermosetting, Paper-Resin, Phenolic Resin.	X	*	NH	NO/NH/AND
G	Mycobacterium	MIL-P-8884A	8 April 1988	Plastic Sheet, Laminated, Thermosetting, Paper Resin, Epoxy Resin.	X	*	NH	NO/NH
		MIL-P-78A(4)	30 June 1981	Plastic Material, Laminated, Thermosetting (for Deodorant-Vinyl).	*	*	NH	NO/NH/AND
		MIL-P-70G	10 June 1981	Plastic Material, Laminated, Thermosetting, Metal and Tissue **.	*	*	NH	NO/NH/AND
		MIL-P-18840B	10 May 1980	Plastic Sheet, Laminated, Copper Cloth *****	*	*	NO	NO/NH/AND
		MIL-P-88074A(1)	8 January 1981	Plastic Sheet, Acrylic, Modified Laminated *****	X	*	WP	TO/WP/AND

For explanation of footnotes, see end of table.

Table 3. Specifications on Laminates - Continued

Part	Reinforcement	Number	Date	Title	QPL	In Cr.	WP performed by	Classification
a	(No specification)	MIL-P-40187(MN)	-	Plastic, Pre-impregnated, Glass Mat, Polyester Resin, Laminated Thermosetting Sheets, Rugs, and Cloth <sup>1</sup>	x	x	ON	-
a	(No specification)	MIL-P-40187(MN)	4 November 1988	Laminated Thermosetting Sheets, Rugs, and Cloth <sup>1</sup>	x	x	ON	-
b	Reinforced Metal Plate	MIL-P-3210	31 May 1988	Reinforced Material, Orings, Pre-impregnated, Waterproof, Flexible	x	x	ON	ON/NA/MOD
		MIL-P-3100(R)	17 January 1981	Reinforced Material, Water Vaportight, Flexible	x	x	WP	ON/WP/AND
		MIL-P-3008A	16 April 1980	Reinforced Material for Moderate Waterproofer Interior Packaging Bags	x	x	ON	ON/MOD
		MIL-P-18200B	19 August 1988	Reinforced Material, Waterproof, Flexible, All Temperatures	x	x	ON	ON/NA

<sup>1</sup> Multiple layers or filters<sup>2</sup> Various layers<sup>3</sup> QPL, quality control

Table 4. Specifications on Filled Materials

Part	Filler	Number	Date	Title	QPL	In Cr.	WP performed by	Classification
c	Absorber	MIL-M-4100E	00 September 1988	Molding Plastic and Molded Plastic Parts, Absorber Fiber Filled, Aramid Fibre-Reinforced Phenolic Resin	x	x	ON	-
d	Bornite	MIL-P-40090	18 June 1988	Plastic, Amplifier, Absorber Filled, Molding Material	x	x	ON	ON
d	Bornite	MIL-P-19000C(1)	8 March 1980	Plastic, Plastic, Polyethylene, Virgin and Modified, Neutral, Reinforcing	x	x	ON	-
e	Glass	MIL-M-19000(S)	08 July 1980	Molding Plastic and Molded Plastic Parts, Glass Fiber Filled, Double Phenolic Resin	x	x	ON	ON
e	Glass	MIL-M-19007	10 May 1987	Molding Plastic, Polyamide Resin (Nylon) Glass Fiber Filled and Molded Polyamide Resin Glass Fiber Filled Plastic Parts	x	x	ON	-
e	Glass	MIL-M-81047A(1)	18 July 1981	Molding Plastic, Polystyrene, Glass Filled	x	x	ON	ON
e	Glass	MIL-M-81048	18 July 1988	Molding Plastic, Polystyrene, Glass Filled, Polybutene PAIR	x	x	ON	ON
e	Glass	MIL-P-40040(ON)	19 October 1981	Plastic, Polyester, Glass Fiber Filled, Preexisting Molding Compound	x	x	ON	ON
f	Graphite	MIL-P-6481(1)	4 December 1984	Plastic, Phenolic, Graphited, Sheets, Rugs, Cloth, Tulle, and Meshes	x	x	WP	-
g	Paper	MIL-P-10017A	00 March 1988	Plastic, Thermosetting, Paper Filled Performance	x	x	NO	ON/WP/AND
f	Unspecified	MIL-P-18406A	8 February 1984	Plastic Sheet, Filled Phenolic, Unspecified	x	x	NO	NO/ON/AND

<sup>1</sup> Organic or Inorganic short-fiber fiber

Table 5. Specifications on Sandwich Construction

Part	Type	Number	Date	Title	QPL	In Cr.	WP performed by	Classification
a	Aluminum	MIL-N-7811	00 August 1988	Sandwich Construction, Aluminum Alloy Faces, Aluminum Full-Honeycomb Core	x	x	WP	-
b	Glass	MIL-N-9041A(R)	20 July 1983	Sandwich Construction, Plastic Resin, Glass Fibre Mat, Laminated Polyester, and Honeycomb Core for Aircraft Structural Applications	x	x	WP	ON/WP/AND
		MIL-N-9000	6 November 1987	Sandwich Construction, Plastic Resin, Glass Fibre Mat, Laminated Polyester, and Polyester Dimethylmaleic Anhydride in Plastic Core for Aircraft Structural Applications	x	x	AND	AND
c	Wood	MIL-N-17017(1)	24 August 1988	Sandwich Construction, Aluminum Alloy Facings, Metal Wire Core	x	x	WP	-

Table 6. Information on Applications of Reinforced Plastic

Ref.	Area	Number	Date	Description	QPC	In Cr.	Per period by	Condition
A	Insulation	MIL-I-11100(B)	24 October 1960	Insulation Tape, Monofilament Glass Fiber (Mylar® Filled) and Cloth, Fibrous Glass.	*	*	NH	AC/NH/DAY
		MIL-I-17410	01 May 1962	Wire, Monofil, Phenocarbon Insulated, Type V, TPE, PWP, and Fibrous Glass, Silver-Coated Copper.	*	X	WP	*
		MIL-I-18087(A)	10 March 1961	Insulation Sheet, Monofil, Mylar®, Glass Fiber, Nitrocellulose Rubber Protected.	*	*	NH	AC/NH/DAY
		MIL-I-18088	8 June 1960	Insulation Tape, Monofil, Pressure Sensitive, Nitrocellulose Rubber Treated Glass, Monofilament Cable Moldings, Naval Shipboard.	*	X	NH	DAY
		MIL-I-10189(A)	21 January 1962	Insulation Tape, Monofil, High Temperature, Glass Fiber, Pressure Sensitive.	X	X	NH	NH
		MIL-I-10828	22 November 1960	Insulation Sheets, Monofil, Felted-Milk, Nitrocellulose Rubber.	X	X	NH	*
		MIL-I-10838	14 April 1960	Insulation, Monofil, Dielectric Resistor, Laminated, Plastic Film, and Ray Paper.	*	X	NH	NH
		MIL-I-10847	18 June 1961	Insulation Sheet, Monofil, Milk paper, Nitrocellulose Bonded.	X	X	NH	*
		MIL-I-81087(A)	10 May 1961	Insulation Insulating, Monofil, Mylar®, Glass Fiber, Vinyl Coated.	X	X	NH	NH
		MIL-I-88444(A)	8 June 1960	Insulation Tape, Monofil, Self Binding Nitrocellulose Rubber Treated Glass, Fibrous Glass, Cable Moldings, Naval Shipboard.	*	X	NH	*
		MIL-I-89884(A)	18 April 1962	Insulation, Monofil, Dielectric Resistor, Laminated, Plastic Film, and Synthetic Fiber Mat.	*	X	NH	*
B	Materials	MIL-Q-870A	18 May 1960	Cloth, Coated, Cotton, Rubber or Synthetic Rubber Cloth, Textile Texture.	*	*	QM	QM/MID
		MIL-Q-8800	18 November 1964	Rock, Polyimide, Glass-Filled.	*	*	ON	ON
		MIL-Q-88000	00 September 1960	Cloth, Coated and Laminated, Chloroprene on Nylon.	*	*	WP	QM/ABD
		MIL-Q-88024	4 January 1964	Cloth, Extruded, Cotton Netting, Two-Ply Rubberized.	*	X	AND	AND
		MIL-Q-10009	6 November 1960	Fabric, Plastic, Glass Fabric, Taffy Preformed Laminated.	*	X	NO	NO
		MIL-Q-11000	4 May 1960	Cloth, Extruded, Cotton Netting, Three-Ply Air Retaining Chloroprene.	*	X	QM	QM
		MIL-Q-14000(A)	27 March 1961	Cloth, Coated and Cloth, Laminated, Polychloroprene (for Diammonium Phosphate).	*	X	ON	ON
		MIL-Q-28246(A)	18 November 1961	Pipe and Pipe Fitting, Thermosetting Reinforced Plastic.	X*	X	VD	*
		MIL-Q-28247	17 February 1960	Cloth, Extruded, Rubber on Nylon, Inflatable Pipe.	*	X	WP	*
		MIL-Q-28070(I)	27 April 1960	Cloth, Extruded, and Paper, Coated-Cloth, Natural Rubber on Nylon.	X*	X	WP	*
C	Moldings/Plastics	I-Q-480	18 July 1960	Cladding Material, Flexible Reinforced Plastic.	*	*	ON	*
		I-Q-481A	11 September 1960	Tape, Pressure-Sensitive Adhesive, Identification (Aluminum Fiber).	*	*	QM	QM
		PPP-Q-870	30 October 1960	Tape, Pressure-Sensitive Adhesive, Filament-Reinforced Plastic.	*	*	MOM	MOM
		I-Q-816	9 December 1960	Plastic Sheet, Corrugated, Translucent, Cladding.	*	*	ON	ON/AND
		MIL-W-10000	8 September 1960	Water Tank, Laminated Plastic.	*	X	ON	ON
		MIL-N-10000A	01 March 1960	Panel, Acrylic, Plastic, 16-Fl.	*	X	ON	ON
		MIL-Q-17171A(B)	18 October 1960	Table Top, Plastic, Thermosetting Resin.	*	X	NH	*
		MIL-N-19564W(X)	28 June 1960	Wheels, Glass Fiber Reinforced for Torpedoes, Mark 40 Modules 1, 2, 3, and 4.	*	X	WP	*
		MIL-H-23199	1 June 1960	Helmet, Waller's Reinforced Plastic, MKII MOD 0.	*	X	WP	WP
		MIL-P-28889	30 March 1960	Purifiers, Metal Frame, Laminated Plastic Surface Panel Type (for WQD's).	*	X	VD	*
		MIL-T-28889A	00 July 1960	Tank, Pneumatic Pressure, Aircraft, Glass Fiber.	X*	X	AND	AND
		MIL-KY801	18 April 1960	Tank, Pneumatic Pressure, Aircraft, Glass Fiber Sphere.	*	X	AND	AND
		I-Q-671A(I)	28 June 1960	Table Top Assembly (Plastic Thermosetting Resin Table Top).	*	*	MD	*

QPC, NH, VP, ICR

## **CODE IDENTIFICATION**

### **Preparing Activities and Custodians**

<u>Code</u>	<u>Identification</u>
AFSC	Hq., Air Force Systems Command (AFSC)
ASD	Aeronautical Systems Division (AFSC)
CE	U.S. Army Corps of Engineers
CM	U.S. Army Chemical Corps
DAY	Dayton Air Force Depot AFLC (MDNS)
MD	U.S. Army Medical Service
MID	Middletown Air Material Area AFLC (MANT)
MOB	Mobile Air Material Area AFLC (MÖNH)
OR	U.S. Army Materiel Command (Formerly "Ordnance Corps")
QM	U.S. Army Quartermaster Corps
SA	U.S. Navy Bureau of Supplies and Accounts
SC	U.S. Army Signal Corps
SH	U.S. Navy Bureau of Ships
TC	U.S. Army Transportation Corps
WP	U.S. Navy Bureau of Weapons
YD	U.S. Navy Bureau of Yards and Docks

**NUMERICAL LISTING OF SPECIFICATIONS CITED**

Specification	Table	Part	Specification	Table	Part
MIL-M-14F			MIL-P-15436A	4	
MIL-HDBK 17			MIL-D-15692A	5	c
MIL-HDBK 20			MIL-P-15649B	5	b
L-T-31	8		MIL-A-14042	2	a
L-T-41A	6	b	MIL-C-14806A	6	b
MIL-P-78A	6		MIL-T-15036C	3	
MIL-P-790	6		MIL-P-15087C	6	c
PPP-T-97C	6	b	MIL-P-15047D	6	b
L-T-90A	6	b	MIL-M-15017A	2	c
MIL-B-121B	6	b	MIL-P-15017A	4	c
MIL-B-140C	6	b	MIL-T-17171A	6	c
MIL-A-140A	2		MM-17410	6	a
FND-NFD-170	1		MIL-P-17819B	6	c
MIL-NFD-864	1		MIL-N-17817	6	c
MIL-NFD-401A	1		MIL-T-17807A	6	a
FND-NFD-400	1		MIL-P-17770	6	b
L-C-420	6	b	MIL-P-18044B	6	b
L-P-608	6	b	MIL-C-18046	6	b
MIL-NFD-870	1	c	MIL-T-18023A	6	b
MIL-NFD-872	1	b	MIL-T-18017A	6	c
MIL-O-078A	6	b	MIL-I-19100A	6	
MIL-A-027A	2		MIL-P-19080A	4	b
MIL-P-097C	3	c	MIL-H-19084B	6	c
MIL-Y-1140C	2	d	MIL-T-19020A	6	a
MIL-P-3118C	6	f	MIL-I-19032B	6	a
MIL-Q-3118A	2	b	MIL-C-19033A	2	b
MIL-I-0158C	6	b	MIL-M-19033	4	c
MIL-H-3740	2	f	MIL-M-19087	4	c
MIL-G-3787C	3	d	MIL-H-19087C	6	c
MIL-R-3000	6	b	MIL-T-19017	6	a
MIL-B-3050A	3	b	MIL-H-21040	6	b
MIL-T-3080C	2	c	MIL-C-21270A	2	b
MIL-A-00800C	2	a	MIL-M-21347A	4	c
MIL-A-8080C	2	a	MIL-A-21306	2	a
MIL-C-5102H	6	b	MIL-M-21560	4	a
MIL-T-5431	4	d	MIL-I-21567A	2	c
MIL-A-5430A	2		MIL-H-21807	6	c
MIL-C-5402H	3	b	MIL-C-21740A	2	c
MIL-P-7084A	1	b	MIL-H-21931	6	c
MIL-C-7480B	2	b	MIL-T-22120	4	c
MIL-R-7578B	2	f	MIL-H-22120	6	b
MIL-G-7707A	3	d	MIL-P-22240	6	b
MIL-H-7011	6	a	MIL-C-22240	6	b
MIL-H-7008	2	b	MIL-T-22444	6	a
MIL-P-9073C	3	c	MIL-H-22600	6	b
MIL-P-8050A	3	a	MIL-I-22834A	6	b
MIL-C-8073A	2		MIL-C-23070	6	b
MIL-NFD-8073A	2	b	MIL-H-23200	6	c
MIL-C-8087H	2	b	MIL-T-25042A	2	c
MIL-C-8802A	1	d	MIL-T-25060A	6	c
MIL-A-8820A	2	a	MIL-D-25374A	6	b
MIL-P-8855A	3	b	MIL-N-25392	6	b
MIL-N-9041A	5	b	MIL-D-25396	6	c
MIL-A-9067C	1	b	MIL-T-25421A	6	c
MIL-P-9071A	1	c	MIL-A-26460		
MIL-C-9074	6	b	MIL-R-26500A	2	c
MIL-C-9084B	2	d	MIL-P-26516A	3	c
MIL-N-9118A	2	c	MIL-P-26518A	3	c
MIL-H-9289A	2	f	MIL-P-26770	3	c
MIL-T-9300A	2	f	MIL-C-26871A	3	d
MIL-P-9400A	1	b	MM-27201	6	c
MIL-W-10500	5	b	MIL-C-40006A	3	c
MIL-T-10682	6	b	MIL-P-40008	2	f
MIL-C-11390M	6	b	MIL-P-40048	2	c
MIL-F-11880	2	d	MIL-P-40090	4	c
MIL-B-13880B	3	b	MIL-P-40127(MR)	1	c
			MIL-P-48040A	1	c
			MIL-A-46081	2	c
			MIL-A-52194	2	a
			MIL-P-5807A	3	b

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PLASTEC Report 2 OTS PB 161948	OXYGEN-ALCOHOL TEST FOR INSULATING MATERIALS — A MEMORANDUM ON A SCREENING TEST FOR ROCKET-MOTOR BLAST TUBES, by Harold F. Mannheimer and Allen M. Shibley, October 1960	\$1.00
PLASTEC Report 3 OTS PB 171034	RECENT DEVELOPMENTS IN CASTING RESINS AND TECHNOLOGY FOR ELECTRICAL ENCAPSULATION APPLICATIONS, by Arnold E. Molzon, November 1960	\$1.00
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PLASTEC Report 6 OTS PB 171037	STATE OF THE ART — METHODS OF BONDING FLUOROCARBON PLASTICS TO STRUCTURAL MATERIALS, by Marjorie C. St. Cyr, May 1961	\$0.75
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PLASTEC Report 8	SUBJECT INDEX, BIBLIOGRAPHY, AND CODE DESCRIPTION OF TECHNICAL CONFERENCE PAPERS ON PLASTICS: MARCH 1960 — FEBRUARY 1961, by Arnold E. Molzon, July 1961	\$1.75
PLASTEC Report 9	REDUCTION OF REFLECTIVITY FROM TRANSPARENT MATERIALS: A MEMORANDUM IN EVALUATION OF TECHNIQUES APPLICABLE TO PLASTIC HELICOPTER CANOPIES, by Norman E. Beach, July 1962	**
PLASTEC Report 10	A SURVEY OF FILAMENT WINDING: MATERIALS, DESIGN CRITERIA, MILITARY APPLICATIONS, by Allen M. Shibley, Harvey L. Peritt and Merrill Wig, May 1962	**
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